WELCOME TO THE DEPARTMENT OF BUSINESS ADMINISTRATION AND ENGINEERING AT THE MUNICH UNIVERSITY OF APPLIED SCIENCES!

“Industrial engineers are the most in demand of all university graduates – both at the start of their careers and in the long term.” This positive summary from the 2010/11 Student Guide published by the weekly broadsheet Die Zeit in cooperation with the Centre for Higher Education Development (CHE, Centrum für Hochschulentwicklung) shows how very successful our graduates are. It is, above all, the interdisciplinary integration of technology and management that characterises our teaching and research.

With three bachelor and two accredited master programmes as well as an international doctoral programme, we are developing seminal fields in the biggest university of applied sciences in Bavaria. The department has more than 1,300 students and each year, 400 young people join us to pursue their studies – supervised by 37 professors, 18 employees and 90 assistant lecturers from corporate practice.

The other goals the department sets itself:
■ to appeal to students and businesses and attract staff through excellent teaching,
■ to establish a well-known brand for industrial engineering through an extensive and innovative range of courses,
■ to foster close international links in training and research through partnerships with universities and companies,
■ to be able to develop an impulse for training, research, further education and application through our leading knowledge.

This brochure offers you a first insight into our department. You can find further information by consulting www.wi.hm.edu.

Prof. Dr. Hermann Englberger | Dean
The educational opportunities offered by the Department of Business Administration and Engineering is diverse – comprising vocational bachelor degrees, consecutive and work experience-based master programmes and international doctoral programmes.

**BACHELOR PROGRAMMES**
- Bachelor of Engineering – Business Administration and Engineering (BEng)
- Bachelor of Engineering – Logistics Management (BEng)
- Bachelor of Engineering – Automotive Industry (BEng)

**MASTER PROGRAMMES**
- Consecutive Master of Business Administration and Engineering (MEng)
- Extra-occupational, work experience-based Master of Business Administration and Engineering (MBA & Eng)

**DOCTORAL PROGRAMMES**
- International doctoral programme PhD in cooperation with the University of Plymouth

Summarizing the offers made, we are proud to say that not only is the university one of the biggest training schools for business administration and engineering, but it also is one of the most respected, as shown by recent rankings.

The university ranking system developed by the Centre for Higher Education Development (CHE, Centrum für Hochschulentwicklung) places our department in the top group with regard to reputation of professors, laboratory equipment and study conditions. And the magazine Wirtschaftswoche ranks our department in an excellent fourth position in a nationwide comparison of over 80 universities. Furthermore, the successful accreditation by the ASIIN agency also points to the high quality of the study programmes.
### DOCTORAL STUDIES

**PHD DOCTORAL PROGRAMME IN COOPERATION WITH THE UNIVERSITY OF PLYMOUTH**

- About 10 places / year
- **Start in winter and in summer semester**

### CONSECUTIVE MASTER PROGRAMME BUSINESS ADMINISTRATION AND ENGINEERING | MENG

- 90 ECTS
- 3 semesters
- Accredited
- 60 places / year
- **Start in winter and in summer semester**

### WORK EXPERIENCE-BASED MASTER PROGRAMME | MBA & ENG

- 90 ECTS
- 5 semesters, extra-occupational
- Re-accredited
- 60 places / year
- **Start in winter and in summer semester**
- At least 1 year’s work experience required

### BACHELOR PROGRAMME BUSINESS ADMINISTRATION AND ENGINEERING | BENG

- 3 fields of study:
  - Industrial Technology
  - Information Technology
  - Biotechnology and Environmental Technology
- 210 ECTS
- 7 semesters
- Accredited
- 250–300 places / year
- **Start in winter and in summer semester**

### BACHELOR PROGRAMME LOGISTICS MANAGEMENT | BENG

- 210 ECTS
- 7 semesters
- 50 places / year
- **Start in winter semester**

### BACHELOR PROGRAMME AUTOMOTIVE INDUSTRY | BENG

- 210 ECTS
- 7 semesters
- 50 places / year
- **Start in summer semester**
The bachelor degree programmes can also be taken as combined study programmes with additional work experience.
With the extra-occupational Master of Business Administration and Engineering, we have already been able to gain nine years of experience in the further education sector. More than 250 postgraduate engineers have successfully graduated from this programme of studies. Furthermore, we launched the consecutive Master of Engineering for Industrial Engineering in October 2009.

**INDUSTRIAL ENGINEERING**
**MASTER OF ENGINEERING**
- MA dissertation
- Elective modules
- Integration
- Economics
- Technology

- Consecutive Master’s degree
- Full-time study
- 3 semesters

**Access type**
- Business Administration and Engineering

**MASTER OF BUSINESS ADMINISTRATION AND ENGINEERING**
- MA dissertation
- Elective modules
- Integration
- Economics
- Technology

- Work-experience based, extra-occupational Master’s degree
- Part-time study
- 5 semesters

3 access types
- Engineering and Natural Sciences
- Construction Engineering
- Business Administration and Engineering

Weighting and specification of the modules technology, economics and integration depend on access type.
In addition to the Master’s and Bachelor programmes, the Department of Business Administration and Engineering is now able to offer the third step of the Europe-wide three-tiered study structure – the new international doctoral programmes.

The cooperation with the British partner University of Plymouth presents us with this opportunity. The first five doctorate students started their PhD in January 2010. They are enrolled both at the Munich University of Applied Sciences and the University of Plymouth. The research project is supervised by the students’ main examiners at the Munich University of Applied Sciences.

You can find the entrance requirements and procedures by consulting: www.wi.hm.edu/phd.
We promote applied research and development together with partner companies, which in turn has a positive impact on teaching at the university.

LABORATORIES FOR APPLICATION AND RESEARCH

**Laboratory simulation and virtual reality**
Virtual reality cave, real 3D display, cylinder shaped projection room, motion tracking control

**Laboratory warehouse logistics**
Pick by voice, pick by vision, pattern recognition systems, RFID applications, warehouse stock optimisation

**Laboratory business software**
Business software for ERP applications and project management systems, SAP R/3, Navision, etc.

**Laboratory information technology**
Four work areas with a total of 100 computer workspaces with networks, databases, application systems

**Laboratory production engineering**
Machining with CNC, sheet metal forming, joining technology, automation, measuring and testing

**Laboratory applied ergonomics**
Laboratory testing of noise measurements, seat designing, ergometry, anthropometry, climate comfort and oscillations

**Laboratory measuring technology and feedback control**
Training in electrical engineering, measuring technology, automatic control engineering and feedback control with industrial cooperations

**Laboratory biotechnology**
Molecular genetic identification of microorganisms and germination in the pharmaceutical quality control process

GIANT EQUIPMENT APPLICATIONS 2010 SUBMITTED TO THE DEUTSCHE FORSCHUNGSGEMEINSCHAFT DFG (GERMAN RESEARCH FOUNDATION)

**Giant equipment for manufacturing technology**
CNC-turning machines, CNC-milling machines

**Giant equipment for nanotechnology**
3D-lithography equipment

**Giant equipment for biotechnology**
Fermenter battery

MA DISSERTATIONS AND DOCTORAL THESES

PUBLIC RESEARCH PROJECTS AND INDUSTRIAL PROJECTS
The focus is on the interdisciplinary research and application fields of logistics management, automotive engineering and industrial engineering (industrial technology, information technology, biotechnology and environmental technology).

MOL ONLINE METHOD CENTRE FOR TEACHING
In the MOL project, innovative online media are tested for courses and are academically assessed. In addition to access to information from any location and a media-compatible documentation of the teaching contents, there is a particular emphasis on qualifying students for modern communication technologies. These include the potential for using unified communications, live conferencing and collaborative learning.
We are extending our partnerships with international universities and companies to increase opportunities for our graduates on the global employment market.

**University of Plymouth**
- Euroman and Euromaster
  - Intensive Management course for Bachelor and/or Master students
- PPh.D. programme
  - Joint doctoral studies

**Grenoble Ecole de Management**
- Master of International Management

**Université de Haute-Alsace Mulhouse**
- German-French Strategy Seminar

**Tongji University Shanghai**
- Dual degree of the Chinese-German University of Applied Sciences CDHAW

**Twelve international partner universities of the department**
- Denmark, Finland, France, Great Britain, the Netherlands, Sweden, Spain and many others

Development of further university cooperations in the USA (Purdue University)
Prof. Dr. rer. pol. Volker ABEL
Mathematics, Statistics, Operations Research

Prof. Dr. Ing. Manfred ANZINGER
Technical Mechanics, Machine Elements, CAD

Prof. Dr. Ing. Markus DÄUBEL
Production, Logistics, Materials Technology, Machine Elements

Prof. Dr. Ing. Dieter DEUBLEIN
Process Engineering and Environmental Technology, Thermodynamics, Plant Construction and Bioreactor Construction

Prof. Dr. rer. pol. Wolfgang DOHL
Marketing, International Distribution, Business Administration

Prof. Dr. oec. Hermann ENGLBERGER
DEAN
Corporate Leadership, Management, Organisation, Business Administration

Prof. Dr. rer. pol. Jürgen FALLER
Bookkeeping and Accounting, Corporate Finance and Investment Finance

Prof. Dr. rer. pol. Rainer FÖRDERREUTHER
Business Administration, Human Resources, Personnel Management and Development

Prof. Dr. Ing. Johann GLAS
Electrotechnology, Control Engineering and Drive Engineering

Prof. Dr. Ing. Olav HINZ
Computer Science, Information Technology

Prof. Dr. Ing. Eckhard HOFFMANN
Technical Mechanics, Machine Elements, Development and Construction

Prof. Dr. Ing. Reinhard KOETHER
Production and Manufacturing Technology, Operating Site Planning, Logistics

Prof. Dr. rer. pol. Andreas KRAHE
Bookkeeping and Accounting, Cost and Results Accounting, Controlling

Prof. Marie-Clotilde KUHN
French, Intercultural Communication

Prof. Dr.-Ing. Bernhard KURZ
Electrotechnology, Ergonomics, Automatic Control Engineering and Control Technology

Prof. Dr. rer. nat. Markus MAUERER
Mathematics, Physics, Thermodynamics

Prof. Dr. Ing. Klaus-Jürgen MEIER
Production Planning and Logistics, Supply Chain Management, Global Sourcing

Prof. Dr. phil. Thomas MEIER-FOHRBECK
English

Prof. Dr. rer. pol. Gerhard METZE
Innovation Management, Company Planning and Organisation, SAP

Prof. Dr. Ing. Klaus-Pischeltsrieder PISCHELTSRIEDER
Production and Manufacturing Technology, Automatic Control Engineering, Electrotechnology

Prof. Dr. rer. pol. Jörg PUCHAN
Business Process Management, Computer Science, Information Engineering and Management

Prof. Dr. Ing. Stefan RABER
Material Technology, Mechanical Engineering

Prof. Dr. Ing. Wolfgang RAU
Production, Operating Site Planning, Production and Plastics Engineering

Prof. Dr. Ing. Matthias REBHAN
Mathematics, Physics, Electrotechnology, Sensor Technology, Micro- and Nanotechnology

Prof. Dr. rer. soc. oec. Andreas RIEGER
Procurement and distribution logistics, supply chain management

Prof. Dr. rer. pol. Gottfried RÜHLEMANN
Business Taxation, Starting a Business, Business Administration

Prof. Dr. oec. Hans SACHENBACHER
Business Administration, Project Management

Prof. Dr. Ing. Wolfgang SCHÖNECKER
Data Processing, Programming, Information Management

Prof. Dr. Ing. Bernd SCHULZ
VICE DEAN
Construction and Work Planning, Project Planning and Quality Management

Prof. Dr. Ing. Maximilian SIMON
Technical Mechanics, Machine Elements, Sustainable Economics

Prof. Dr. Ing. Jürgen SPITZNAGEL
Production Planning and Logistics, Supply Chain Management

Prof. Dr. rer. nat. Thomas STUMPP
DEAN OF STUDIES
Mathematics, Statistics, Operations Research

Prof. Dr. Ing. Klaus TEICH
Data Processing, Application Systems, Knowledge Management

Prof. Dr. rer. nat. Karlheinz TREBESIUS
Chemistry, Molecular Biology, Ecology, Enzyme Technology and Genetic Engineering

Prof. Dr. jur. Thomas WILRICH
Business Law

Prof. Dr. rer. pol. Elke WOLF
Economics

Prof. Ursula TRIEBSWETTER, Ph.D.
Economics (substitute professor)
PROFESSORS ON SABBATICAL LEAVE

- Prof. Dr. Ing. Christiane FRITZE
  Vice President of the Munich University of Applied Sciences

- Prof. Dr. phil. Marion SCHICK
  Minister for Culture, Youth and Sport of the federal state of Baden-Württemberg

- Prof. Dr. oec. Franz WALDHERR
  Director of the Centre for Teaching and Learning of the Bavarian Universities DiZ

OPEN PROFESSORSHIPS

- NN  Marketing, innovation management
- NN  Controlling, accounting
- NN  Applied ergonomics
- NN  Entrepreneurship
  (Strascheg Foundation professor)

EMPLOYEES

Seven academic, three administrative and seven technical employees work in the Department of Business Administration and Engineering.

ASSISTANT LECTURERS

Around 100 assistant lecturers enrich our courses with direct and current stimuli from corporate practice. Some of these lecturers work in large scale companies, others in various branches of middle-sized businesses, e.g. BMW AG, [bu:st] automotive, ifo Institut, MAN Nutzfahrzeuge AG, Nokia Siemens Network GmbH & Co. KG, Siemens AG, Strascheg Institute for Innovation and Entrepreneurship or TÜV SÜD GmbH.

STUDENTS

More than 1,300 students are enrolled as members of our department. Of this number, around 800 are enrolled in bachelor degree programmes, 350 in diploma programmes and over 150 in master degree programmes. Each year, around 400 young people join us to pursue their studies. Many get involved in the student council, as a tutor or as academic assistants.

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HOKO UNIVERSITY CONTACT FAIR
Launched 13 years ago as part of the departmental day for business administration and engineering, our students have managed to implement the HOKO Fair as the university’s biggest student project: over 120 exhibiting companies and more than 5,000 visitors take part each year.

ASSOCIATION TO SUPPORT INDUSTRIAL ENGINEERING AT THE MUNICH UNIVERSITY OF APPLIED SCIENCES VFWI E. V.
The VFWI association supports both practical training as well as the research and development assignments of the departmental members and maintains contact with alumni.

AN-INSTITUTE FOR PRODUCTION MANAGEMENT AND LOGISTICS IPL GMBH
The An-Institute IPL is a service provider for production management and logistics competence which works in close cooperation with universities and undertakes applied research and development.

ASSOCIATION FOR QUALITY ASSURANCE AND CERTIFICATION FOR MEDIUM-SIZED BUSINESSES QZV E. V.
The QZV association, which was formed by professors of the department, supports the effective introduction of management systems and certifies medium-sized businesses in accordance with ISO guidelines.

STRASCHEG CENTER FOR ENTREPRENEURSHIP SCE Gmbh
The training programmes offered by the An-Institute SCE offer our students interdisciplinary knowledge and practice in the areas of innovation, flotation and business development.

INTERNATIONAL MUNICH SUMMER SCHOOL
With Grenoble Ecole de Management

VERBAND DEUTSCHER WIRTSCHAFTSINGENIEURE (GERMAN ASSOCIATION FOR BUSINESS ADMINISTRATION AND ENGINEERING) VWI E. V.
VWI Hochschulgruppe München e.V.

DEPARTMENTAL AND SUBJECT DAY FOR BUSINESS ADMINISTRATION AND ENGINEERING, GERMANY FFBT WI
European Engineering and Management Association EEMA. Deans’ conference – business administration and engineering Bavaria BayKoWi.
The Department for Business Administration and Engineering is based in a prime city location: on the modern Lothstraße campus in the centre of the city of Munich and therefore at the main site of the largest university for applied sciences in Bavaria.

THE MUNICH UNIVERSITY OF APPLIED SCIENCES
- 1971 formed by seven predecessor schools such as Oskar-von-Miller-Polytechnikum
- 2002 Awarded title of “Best Practical University” by the Centre for Higher Education Development (CHE, Centrum für Hochschulentwicklung)
- 2006 Awarded certificate for “Audit family-friendly university”
- 2010 Became Germany’s second largest university of applied sciences

Fourteen departments in four areas of study
Technology, Economics, Social Affairs, Design

Degrees
- 29 bachelor degree programmes
- 2 diploma degree programmes
- 33 master degree programmes

University community
- Around 14,500 students
- Around 470 professors
- Around 450 employees (academic, administrative, technical)
- Around 600 assistant lecturers

University networks
- Hochschule Bayern e.V.
- Greater Munich Area GMA
- Seven Universities of Applied Sciences UAS 7 e.V.